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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/070,954

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Stephen Arkinstall

ARKINSTALL=1

4903

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EXAMINER

COLEMAN, BRENDA LIBBY

ART UNIT

PAPER NUMBER

1624

MAIL DATE

DELIVERY MODE

01/22/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/070,954

**Applicant(s)**

ARKINSTALL ET AL.

**Examiner**

Brenda L. Coleman

**Art Unit**

1624

**Period for Reply** -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 October 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-3,5-12,20-22,27-31,35 and 36 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3,5-12,20-22,27-31,35 and 36 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

Claims 1-3, 5-12, 20-22, 27-31, 35 and 36 are pending in the application.

This action is in response to applicants' amendment dated October 8, 2008.

Claims 1, 2 and 21 have been amended.

#### ***Response to Amendment***

Applicant's arguments filed October 8, 2008 have been fully considered with the following effect:

1. With regards to the provisional obviousness-type double patenting rejection of claims 1-3 and 5-41 labeled paragraph 1) over copending Application No. 10/381,200 maintained in the last office action, the applicants requested that this rejection be held in abeyance at this time.

Claims 1-3, 5-12, 20-22, 27-31, 35 and 36 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-16 of copending Application No. 10/381,200, for reasons of record and stated above.

2. With regards to the provisional obviousness-type double patenting rejection of claims 1-3 and 5-41 labeled paragraph 2) over copending Application No. 10/381,665 maintained in the last office action, the applicants requested that this rejection be held in abeyance at this time.

Claims 1-3, 5-12, 20-22, 27-31, 35 and 36 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable

over claims 1-16 of copending Application No. 10/381,665, for reasons of record and stated above.

3. The applicant's amendments and arguments are sufficient to overcome the 35 U.S.C. § 112, first paragraph rejection, labeled paragraph 5) of the last office action, which is hereby **withdrawn**.

4. The applicant's amendments and arguments are sufficient to overcome the 35 U.S.C. § 112, second paragraph rejections, labeled paragraph 6a), oo) and tt) of the last office action, which are hereby **withdrawn**. However, with regards to the 35 U.S.C. § 112, second paragraph rejections, labeled paragraph 6b), c), d), e), f), g), h), i), j), k), l), m), n), o), p), q), r), s), t), u), v), w), x), y), z), aa), bb), cc), dd), ee), ff), gg), hh), ii), jj), kk), ll), mm), nn), pp), qq), rr) and ss) of the last office the applicant's amendments and arguments have been fully considered, however they were not found persuasive.

The applicants' stated that Claim 1 has been amended to recite the specific groups that can be substituents. However, the definition of the substituents on the piperidinyI moiety of Y does not include the substituents as claimed herein.

b) Claim 11 recites the limitation "tert-butyl ....carbamate" in the 6<sup>th</sup> species on page 11. There is insufficient antecedent basis for this limitation in the claim.

c) Claim 11 recites the limitation "benzyloxy" in the 9<sup>th</sup> species on page 11. There is insufficient antecedent basis for this limitation in the claim.

d) Claim 11 recites the limitation "phenoxy" in the 6<sup>th</sup> species on page 12. There is insufficient antecedent basis for this limitation in the claim.

- e) Claim 11 recites the limitation "1,3-dithiolan-2-yl" in the 7<sup>th</sup> species on page 16. There is insufficient antecedent basis for this limitation in the claim.
- f) Claim 11 recites the limitation "amino(imino)methyl" in the 2<sup>nd</sup> species on page 17. There is insufficient antecedent basis for this limitation in the claim.
- g) Claim 11 recites the limitation "2,2-dioxido-1,3-1,3-dihydro-2-benzothien-5-yl" in the 4<sup>th</sup> species on page 18. There is insufficient antecedent basis for this limitation in the claim.
- h) Claim 11 recites the limitation "2,3-dihydro-1H-inden-5-yl" in the 5<sup>th</sup> species on page 18. There is insufficient antecedent basis for this limitation in the claim.
- i) Claim 11 recites the limitation "morpholino" in the 1<sup>st</sup> species on page 19. There is insufficient antecedent basis for this limitation in the claim.
- j) Claim 11 recites the limitation "3-cyclohexyl" in the 3<sup>rd</sup> species on page 19. There is insufficient antecedent basis for this limitation in the claim.
- k) Claim 11 recites the limitation "(butylamino)sulfonyl" in the 4<sup>th</sup> species on page 19. There is insufficient antecedent basis for this limitation in the claim.
- l) Claim 11 recites the limitation "4-(5,6,7,8-tetrahydronaphthalen-1ylamino)" in the 6<sup>th</sup> species on page 19. There is insufficient antecedent basis for this limitation in the claim.
- m) Claim 11 recites the limitation "aminosulfonyl" in the 7<sup>th</sup> species on page 19. There is insufficient antecedent basis for this limitation in the claim.

- n) Claim 11 recites the limitation "3-propylphenoxy" in the 10<sup>th</sup> species on page 19. There is insufficient antecedent basis for this limitation in the claim.
- o) Claim 11 recites the limitation "aminosulfonyl" in the 10<sup>th</sup> species on page 20. There is insufficient antecedent basis for this limitation in the claim.
- p) Claim 11 recites the limitation "aminosulfonyl" in the 9<sup>th</sup> species on page 22. There is insufficient antecedent basis for this limitation in the claim.
- q) Claim 11 recites the limitation "1,3-dithiolan-2-yl" in the 10<sup>th</sup> species on page 23. There is insufficient antecedent basis for this limitation in the claim.
- r) Claim 11 recites the limitation "amino(imino)methyl" in the 1<sup>st</sup> species on page 24. There is insufficient antecedent basis for this limitation in the claim.
- s) Claim 11 recites the limitation "amino(imino)methyl" in the 6<sup>th</sup> species on page 24. There is insufficient antecedent basis for this limitation in the claim.
- t) Claim 11 recites the limitation "2,2-dioxido-1,3-1,3-dihydro-2-benzothien-5-yl" in the 8<sup>th</sup> species on page 24. There is insufficient antecedent basis for this limitation in the claim.
- u) Claim 11 recites the limitation "2,3-dihydro-1H-inden-5-yl" in the 9<sup>th</sup> species on page 24. There is insufficient antecedent basis for this limitation in the claim.
- v) Claim 11 recites the limitation "morpholin-4-yl" in the 8<sup>th</sup> species on page 25. There is insufficient antecedent basis for this limitation in the claim.
- w) Claim 11 recites the limitation "3-propylphenoxy" in the 9<sup>th</sup> species on page 25. There is insufficient antecedent basis for this limitation in the claim.

- x) Claim 11 recites the limitation "2,3-dihydro-1H-inden-5-yl" in the 3<sup>rd</sup> species on page 26. There is insufficient antecedent basis for this limitation in the claim.
- y) Claim 11 recites the limitation "morpholin-4-yl" in the 1<sup>st</sup> species on page 27. There is insufficient antecedent basis for this limitation in the claim.
- z) Claim 11 recites the limitation "3-cyclohexyl" in the 7<sup>th</sup> species on page 27. There is insufficient antecedent basis for this limitation in the claim.
- aa) Claim 11 recites the limitation "(butylamino)sulfonyl" in the 8<sup>th</sup> species on page 27. There is insufficient antecedent basis for this limitation in the claim.
- bb) Claim 11 recites the limitation "4-(5,6,7,8-tetrahydronaphthalen-1ylamino)" in the 10<sup>th</sup> species on page 27. There is insufficient antecedent basis for this limitation in the claim.
- cc) Claim 11 recites the limitation "3-propylphenoxy" in the 1<sup>st</sup> species on page 28. There is insufficient antecedent basis for this limitation in the claim.
- dd) Claim 11 recites the limitation "1,3-dithiolan-2-yl" in the 7<sup>th</sup> species on page 28. There is insufficient antecedent basis for this limitation in the claim.
- ee) Claim 11 recites the limitation "aminosulfonyl" in the 3<sup>rd</sup> species on page 29. There is insufficient antecedent basis for this limitation in the claim.
- ff) Claim 11 recites the limitation "1,3-dithiolan-2-yl" in the 1<sup>st</sup> species on page 30. There is insufficient antecedent basis for this limitation in the claim.
- gg) Claim 11 recites the limitation "amino(imino)methyl" in the 5<sup>th</sup> species on page 30. There is insufficient antecedent basis for this limitation in the claim.

hh) Claim 11 recites the limitation "2,2-dioxido-1,3-1,3-dihydro-2-benzothien-5-yl" in the 7<sup>th</sup> species on page 31. There is insufficient antecedent basis for this limitation in the claim.

ii) Claim 11 recites the limitation "2,3-dihydro-1H-inden-5-yl" in the 8<sup>th</sup> species on page 31. There is insufficient antecedent basis for this limitation in the claim.

jj) Claim 11 recites the limitation "3-propylphenoxy" in the 5<sup>th</sup> species on page 32. There is insufficient antecedent basis for this limitation in the claim.

kk) Claim 11 recites the limitation "morpholin-4-yl" in the 6<sup>th</sup> species on page 32. There is insufficient antecedent basis for this limitation in the claim.

ll) Claim 11 recites the limitation "3-cyclohexyl" in the 10<sup>th</sup> species on page 32. There is insufficient antecedent basis for this limitation in the claim.

mm) Claim 11 recites the limitation "(butylamino)sulfonyl" in the 1<sup>st</sup> species on page 33. There is insufficient antecedent basis for this limitation in the claim.

nn) Claim 11 recites the limitation "4-(5,6,7,8-tetrahydronaphthalen-1ylamino)" in the 3<sup>rd</sup> species on page 33. There is insufficient antecedent basis for this limitation in the claim.

pp) Claim 11 recites the limitation "aminosulfonyl" in the 8<sup>th</sup> species on page 34. There is insufficient antecedent basis for this limitation in the claim.

qq) Claim 11 recites the limitation "1,3-dithiolan-2-yl" in the 9<sup>th</sup> species on page 35. There is insufficient antecedent basis for this limitation in the claim.

- rr) Claim 11 recites the limitation "amino(imino)methyl" in the 10<sup>th</sup> species on page 35. There is insufficient antecedent basis for this limitation in the claim.
- ss) Claim 12 recites the limitation "aminosulfonyl" in the 2<sup>nd</sup> species on page 37. There is insufficient antecedent basis for this limitation in the claim.
5. The applicant's amendments and arguments are sufficient to overcome the 35 U.S.C. § 102, anticipation rejection, labeled paragraph 7) of the last office action, which is hereby **withdrawn**.
6. The applicant's amendments and arguments are sufficient to overcome the 35 U.S.C. § 102, anticipation rejection, labeled paragraph 8) of the last office action, which is hereby **withdrawn**.
7. The applicant's amendments and arguments are sufficient to overcome the 35 U.S.C. § 102, anticipation rejection, labeled paragraph 9) of the last office action, which is hereby **withdrawn**.
8. The applicant's amendments and arguments are sufficient to overcome the 35 U.S.C. § 102, anticipation rejection, labeled paragraph 10) of the last office action, which is hereby **withdrawn**.

In view of the amendment dated October 8, 2008, the following new grounds of rejection apply:

***Claim Rejections - 35 USC § 112***

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

9. Claims 1, 3, 20-22, 27, 28 and 31 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The amendment to the definition of Ar<sup>1</sup> where the substituents include the moiety aminoacyl is not described in the specification with respect to the genus of formula I.

Applicant is required to cancel the new matter in the reply to this Office action.

10. Claims 1, 3, 20-22, 27, 28 and 31 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The amendment to the definition of the substituents include wherein neighboring substituents have undergone ring closure to form lactams; lactones; cyclic anhydrides; acetals; thioacetals; or amins formed by ring closure between vicinal functional substituents is not described in the specification with respect to the genus of formula I.

Applicant is required to cancel the new matter in the reply to this Office action.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

11. Claims 1-3, 5-12, 20-22, 27-31, 35 and 36 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The following reasons apply:

- a. Claim 1 and claims dependent thereon are vague and indefinite in that it is not known what is meant by aminocarbonyl which is included in the definition of aminoacyl.
- b. Claim 1 and claims dependent thereon are vague and indefinite in that it is not known what is meant by the moiety  $(C=O)N(R,R')$  in the third proviso where R and R' are not defined within the claim.
- c. Claim 1 and claims dependent thereon are vague and indefinite in that it is not known what is meant by the second occurrence of  $C_1-C_6$  alkyl and heteroaryl in the definition of the substituents on page 4.
- d. Claim 2 and claims dependent thereon are vague and indefinite in that it is not known what is meant by the hyphen which appears in "dia-stereomers".
- e. Claim 2 and claims dependent thereon are vague and indefinite in that it is not known what is meant by the moiety  $(C=O)N(R,R')$  in the last proviso where R and R' are not defined within the claim.
- f. Claim 3 recites the limitation "substituted or unsubstituted cyclic  $C_4-C_8$ -alkyl optionally containing 1-3 heteroatoms and optionally fused with aryl or

heteroaryl" in the definition of  $L^1$  and  $L^2$ . There is insufficient antecedent basis for this limitation in the claim.

g. Claim 3 recites the limitation " $-NR^3R^3$ ,  $-NR^3C(O)NR^3R^3$ ,  $-NHSO_2R^3$  and  $(SO_2)NR^3R^3$ " in the definition of  $L^1$  and  $L^2$ . There is insufficient antecedent basis for this limitation in the claim.

h. Claim 3 recites the limitation " $-C(O)-OR^3$ ,  $-C(O)-R^3$ ,  $-C(O)-NR^3R^3$ ,  $-NR^3C(O)R^3$ ,  $-(SO)R^3$  and  $-(SO_2)R^3$ " in the definition of  $L^1$  and  $L^2$ . There is insufficient antecedent basis for this limitation in the claim when  $R^3$  and/or  $R^3$  is alkenyl.

i. Claim 3 recites the limitation " $L^1$ ,  $L^2$  and the repeater on the  $R^6$  is 0 to 4" thus the piperidine ring contains up to 6 substituents. There is insufficient antecedent basis for this limitation in the claim.

j. Claim 5 recites the limitation "phenyl" in the definition of  $Ar^2$ . There is insufficient antecedent basis for this limitation in the claim.

k. Claim 5 recites the limitation "optionally substituted by  $C_1-C_6$ -alkyl....." in the definition of  $Ar^2$ . There is insufficient antecedent basis for this limitation in the claim.

l. Claim 5 recites the limitation "acylamino" in the definition of the substituents on  $Ar^1$  and  $Ar^2$ . There is insufficient antecedent basis for this limitation in the claim.

m. Claim 7 recites the limitation "unsubstituted or substituted" in the definition of  $Ar^2$ . There is insufficient antecedent basis for this limitation in the claim.

- n. Claim 8 recites the limitation "thioxodihydropyridine and pyrazole" in the definition of Ar<sup>1</sup>. There is insufficient antecedent basis for this limitation in the claim.
- o. Claim 9 recites the limitation "L<sup>1</sup>, L<sup>2</sup> and the repeater on the R<sup>6</sup> is 0 to 4" thus the piperidine ring contains up to 6 substituents. There is insufficient antecedent basis for this limitation in the claim.
- p. Claim 9 recites the limitation "substituted or unsubstituted cyclic C<sub>4</sub>-C<sub>8</sub>-alkyl optionally containing 1-3 heteroatoms and optionally fused with aryl or heteroaryl" in the definition of L<sup>1</sup> and L<sup>2</sup>. There is insufficient antecedent basis for this limitation in the claim.
- q. Claim 9 recites the limitation "-NR<sup>3</sup>R<sup>3'</sup>, -NR<sup>3</sup>C(O)NR<sup>3</sup>R<sup>3'</sup>, -NH<sub>2</sub>SO<sub>2</sub>R<sup>3</sup> and (SO<sub>2</sub>)NR<sup>3</sup>R<sup>3'</sup>" in the definition of L<sup>1</sup> and L<sup>2</sup>. There is insufficient antecedent basis for this limitation in the claim.
- r. Claim 9 recites the limitation "-C(O)-OR<sup>3</sup>, -C(O)-R<sup>3</sup>, -C(O)-NR<sup>3</sup>R<sup>3'</sup>, -NR<sup>3</sup>C(O)R<sup>3</sup>, -(SO)R<sup>3</sup> and -(SO<sub>2</sub>)R<sup>3'</sup>" in the definition of L<sup>1</sup> and L<sup>2</sup>. There is insufficient antecedent basis for this limitation in the claim when R<sup>3</sup> and/or R<sup>3'</sup> is alkenyl.
- s. Claim 11 recites the limitation "4-(3-trifluoromethanesulfonyl)phenylamino" in the 1<sup>st</sup> species on page 10. There is insufficient antecedent basis for this limitation in the claim.
- t. Claim 11 recites the limitation "4-fluorobenzoyl" in the 2<sup>nd</sup> species on page 10. There is insufficient antecedent basis for this limitation in the claim.

- u. Claim 11 recites the limitation "benzoyl" in the 2<sup>nd</sup> species on page 11.  
There is insufficient antecedent basis for this limitation in the claim.
- v. Claim 11 recites the limitation "2-oxo-2,3-dihydro-1H-benzimidazol-1-yl" in the 3<sup>rd</sup> species on page 11. There is insufficient antecedent basis for this limitation in the claim.
- w. Claim 11 recites the limitation "2,4-difluorobenzoyl" in the 5<sup>th</sup> species on page 11. There is insufficient antecedent basis for this limitation in the claim.
- x. Claim 11 recites the limitation "(2-tert-butyl-1H-indol-5-yl)amino" in the 2<sup>nd</sup> species on page 12. There is insufficient antecedent basis for this limitation in the claim.
- y. Claim 11 recites the limitation "4-chlorobenzoyl" in the 5<sup>th</sup> species on page 12. There is insufficient antecedent basis for this limitation in the claim.
- z. Claim 11 recites the limitation "benzyl(methyl)amino" in the 7<sup>th</sup> species on page 12. There is insufficient antecedent basis for this limitation in the claim.
- aa. Claim 11 recites the limitation "2,3,4,5,6-pentamethylbenzoyl" in the 10<sup>th</sup> species on page 12. There is insufficient antecedent basis for this limitation in the claim.
- bb. Claim 11 recites the limitation "anilino" in the 2<sup>nd</sup> species on page 13.  
There is insufficient antecedent basis for this limitation in the claim.
- cc. Claim 11 recites the limitation "3-propylanilino" in the 2<sup>nd</sup> species on page 15. There is insufficient antecedent basis for this limitation in the claim.

- dd. Claim 11 recites the limitation "3-trifluoromethylanilino" in the 3<sup>rd</sup> species on page 15. There is insufficient antecedent basis for this limitation in the claim.
- ee. Claim 11 recites the limitation "3-dimethylaminoanilino" in the 4<sup>th</sup> species on page 15. There is insufficient antecedent basis for this limitation in the claim.
- ff. Claim 11 recites the limitation "methyl.....amino-benzoate" in the 5<sup>th</sup> species on page 15. There is insufficient antecedent basis for this limitation in the claim.
- gg. Claim 11 recites the limitation "3-methylsulfanylanilino" in the 6<sup>th</sup> species on page 15. There is insufficient antecedent basis for this limitation in the claim.
- hh. Claim 11 recites the limitation "3-nitroanilino" in the 7<sup>th</sup> species on page 15. There is insufficient antecedent basis for this limitation in the claim.
- ii. Claim 11 recites the limitation "2-methoxyanilino" in the 8<sup>th</sup> species on page 15. There is insufficient antecedent basis for this limitation in the claim.
- jj. Claim 11 recites the limitation "aminobenzamide" in the 9<sup>th</sup> species on page 15. There is insufficient antecedent basis for this limitation in the claim.
- kk. Claim 11 recites the limitation "2-trifluoromethylanilino" in the 10<sup>th</sup> species on page 15. There is insufficient antecedent basis for this limitation in the claim.
- ll. Claim 11 recites the limitation "2-nitro-4-[(trifluoromethyl)sulfonyl]anilino" in the 1<sup>st</sup> species on page 16. There is insufficient antecedent basis for this limitation in the claim.
- mm. Claim 11 recites the limitation "4-chloroanilino" in the 2<sup>nd</sup> species on page 16. There is insufficient antecedent basis for this limitation in the claim.

- nn. Claim 11 recites the limitation "4-trifluoromethylanilino" in the 3<sup>rd</sup> species on page 16. There is insufficient antecedent basis for this limitation in the claim.
- oo. Claim 11 recites the limitation "4-[(trifluoromethyl)sulfonyl]anilino" in the 4<sup>th</sup> species on page 16. There is insufficient antecedent basis for this limitation in the claim.
- pp. Claim 11 recites the limitation "2-nitroanilino" in the 5<sup>th</sup> species on page 16. There is insufficient antecedent basis for this limitation in the claim.
- qq. Claim 11 recites the limitation "4-(aminocarbonyl)anilino" in the 6<sup>th</sup> species on page 16. There is insufficient antecedent basis for this limitation in the claim.
- rr. Claim 11 recites the limitation "3-chloroanilino" in the 8<sup>th</sup> and 9<sup>th</sup> species on page 16. There is insufficient antecedent basis for this limitation in the claim.
- ss. Claim 11 recites the limitation "3-methoxyanilino" in the 10<sup>th</sup> species on page 16. There is insufficient antecedent basis for this limitation in the claim.
- tt. Claim 11 recites the limitation "3-(methylsulfonyl)anilino" in the 1<sup>st</sup> species on page 17. There is insufficient antecedent basis for this limitation in the claim.
- uu. Claim 11 recites the limitation "3-[(2-hydroxyethyl)sulfonyl]anilino" in the 3<sup>rd</sup> species on page 17. There is insufficient antecedent basis for this limitation in the claim.
- vv. Claim 11 recites the limitation "2-aminoanilino" in the 4<sup>th</sup> species on page 17. There is insufficient antecedent basis for this limitation in the claim.
- ww. Claim 11 recites the limitation "2-hydroxyanilino" in the 5<sup>th</sup> species on page 17. There is insufficient antecedent basis for this limitation in the claim.

- xx. Claim 11 recites the limitation "4-hydroxyanilino" in the 6<sup>th</sup> species on page 17. There is insufficient antecedent basis for this limitation in the claim.
- yy. Claim 11 recites the limitation "3-[(trifluoromethyl)sulfanyl]anilino" in the 7<sup>th</sup> species on page 17. There is insufficient antecedent basis for this limitation in the claim.
- zz. Claim 11 recites the limitation "3-toluidino" in the 8<sup>th</sup> species on page 17. There is insufficient antecedent basis for this limitation in the claim.
- aaa. Claim 11 recites the limitation "3-chloro-5-(trifluoromethyl)pyridine-2-ylamino" in the 9<sup>th</sup> species on page 17. There is insufficient antecedent basis for this limitation in the claim.
- bbb. Claim 11 recites the limitation "3-(1,3-oxazol-5-yl)anilino" in the 1<sup>st</sup> species on page 18. There is insufficient antecedent basis for this limitation in the claim.
- ccc. Claim 11 recites the limitation "3-tert-butylanilino" in the 2<sup>nd</sup> species on page 18. There is insufficient antecedent basis for this limitation in the claim.
- ddd. Claim 11 recites the limitation "2-propylanilino" in the 3<sup>rd</sup> species on page 18. There is insufficient antecedent basis for this limitation in the claim.
- eee. Claim 11 recites the limitation "4-propylanilino" in the 6<sup>th</sup> species on page 18. There is insufficient antecedent basis for this limitation in the claim.
- fff. Claim 11 recites the limitation "{3-nitropyridin-2-yl}amino" in the 7<sup>th</sup> species on page 18. There is insufficient antecedent basis for this limitation in the claim.

ggg. Claim 11 recites the limitation "(3-aminopyridin-2-yl)amino" in the 8<sup>th</sup> species on page 18. There is insufficient antecedent basis for this limitation in the claim.

hhh. Claim 11 recites the limitation "[1,1'-biphenyl]-3-ylamino" in the 9<sup>th</sup> species on page 18. There is insufficient antecedent basis for this limitation in the claim.

iii. Claim 11 recites the limitation "3-benzylanilino" in the 10<sup>th</sup> species on page 18. There is insufficient antecedent basis for this limitation in the claim.

jjj. Claim 11 recites the limitation "pyrimidin-2-ylamino" in the species on page 18. There is insufficient antecedent basis for this limitation in the claim.

kkk. Claim 11 recites the limitation "[4-(trifluoromethyl)pyrimidin-2-yl]amino" in the 2<sup>nd</sup> species on page 19. There is insufficient antecedent basis for this limitation in the claim.

lll. Claim 11 recites the limitation "3-ethylanilino" in the 5<sup>th</sup> species on page 19. There is insufficient antecedent basis for this limitation in the claim.

mmm. Claim 11 recites the limitation "quinolin-5-ylanilino" in the 8<sup>th</sup> species on page 19. There is insufficient antecedent basis for this limitation in the claim.

nnn. Claim 11 recites the limitation "quinolin-8-ylanilino" in the 9<sup>th</sup> species on page 19. There is insufficient antecedent basis for this limitation in the claim.

ooo. Claim 11 recites the limitation "3-[(trifluoromethyl)sulfonyl]anilino" in the 1<sup>st</sup> species on page 20. There is insufficient antecedent basis for this limitation in the claim.

ppp. Claim 11 recites the limitation "2,4-difluorobenzoyl" in the 3<sup>rd</sup> species on page 20. There is insufficient antecedent basis for this limitation in the claim.

qqq. Claim 11 recites the limitation "3-methoxyanilino" in the 5<sup>th</sup> species on page 20. There is insufficient antecedent basis for this limitation in the claim.

rrr. Claim 11 recites the limitation "3-(trifluoromethyl)anilino" in the 6<sup>th</sup> species on page 20. There is insufficient antecedent basis for this limitation in the claim.

sss. Claim 11 recites the limitation "3-(dimethylamino)anilino" in the 7<sup>th</sup> species on page 20. There is insufficient antecedent basis for this limitation in the claim.

ttt. Claim 11 recites the limitation "3-(methylsulfonyl)anilino" in the 8<sup>th</sup> species on page 20. There is insufficient antecedent basis for this limitation in the claim.

uuu. Claim 11 recites the limitation "3-(methylsulfonyl)anilino" in the 9<sup>th</sup> species on page 20. There is insufficient antecedent basis for this limitation in the claim.

vvv. Claim 11 recites the limitation "methyl.....aminobenzoate" in the 1<sup>st</sup> species on page 21. There is insufficient antecedent basis for this limitation in the claim.

www. Claim 11 recites the limitation "3-(aminocarbonyl)anilino" in the 2<sup>nd</sup> species on page 21. There is insufficient antecedent basis for this limitation in the claim.

xxx. Claim 11 recites the limitation "3-nitroanilino" in the 3<sup>rd</sup> species on page 21. There is insufficient antecedent basis for this limitation in the claim.

yyy. Claim 11 recites the limitation "2-methoxyanilino" in the 4<sup>th</sup> species on page 21. There is insufficient antecedent basis for this limitation in the claim.

zzz. Claim 11 recites the limitation "2-(trifluoromethyl)anilino" in the 5<sup>th</sup> species on page 21. There is insufficient antecedent basis for this limitation in the claim.

aaaa. Claim 11 recites the limitation "2-nitroanilino" in the 6<sup>th</sup> species on page 21. There is insufficient antecedent basis for this limitation in the claim.

bbbb. Claim 11 recites the limitation "4-chloroanilino" in the 7<sup>th</sup> species on page 21. There is insufficient antecedent basis for this limitation in the claim.

cccc. Claim 11 recites the limitation "4-(trifluoromethyl)anilino" in the 8<sup>th</sup> species on page 21. There is insufficient antecedent basis for this limitation in the claim.

dddd. Claim 11 recites the limitation "4-[(trifluoromethyl)sulfonyl]anilino" in the 9<sup>th</sup> species on page 21. There is insufficient antecedent basis for this limitation in the claim.

eeee. Claim 11 recites the limitation "4-(aminocarbonyl)anilino" in the 10<sup>th</sup> species on page 21. There is insufficient antecedent basis for this limitation in the claim.

ffff. Claim 11 recites the limitation "3-propylanilino" in the 1<sup>st</sup> species on page 22. There is insufficient antecedent basis for this limitation in the claim.

gggg. Claim 11 recites the limitation "3-chloroanilino" in the 2<sup>nd</sup> species on page 22. There is insufficient antecedent basis for this limitation in the claim.

hhhh. Claim 11 recites the limitation "3-methoxyanilino" in the 3<sup>rd</sup> species on page 22. There is insufficient antecedent basis for this limitation in the claim.

iiii. Claim 11 recites the limitation "3-(trifluoromethyl)anilino" in the 4<sup>th</sup> species on page 22. There is insufficient antecedent basis for this limitation in the claim.

jjjj. Claim 11 recites the limitation "3-(dimethylamino)anilino" in the 5<sup>th</sup> species on page 22. There is insufficient antecedent basis for this limitation in the claim.

kkkk. Claim 11 recites the limitation "3-propylanilino" in the 6<sup>th</sup> species on page 22. There is insufficient antecedent basis for this limitation in the claim.

llll. Claim 11 recites the limitation "3-(methylsulfonyl)anilino" in the 7<sup>th</sup> species on page 22. There is insufficient antecedent basis for this limitation in the claim.

mmmm. Claim 11 recites the limitation "3-(methylsulfonyl)anilino" in the 8<sup>th</sup> species on page 22. There is insufficient antecedent basis for this limitation in the claim.

nnnn. Claim 11 recites the limitation "methyl.....aminobenzoate" in the 10<sup>th</sup> species on page 22. There is insufficient antecedent basis for this limitation in the claim.

oooo. Claim 11 recites the limitation "{4-nitrobenzoyl}amino" in the 1<sup>st</sup> species on page 23. There is insufficient antecedent basis for this limitation in the claim.

pppp. Claim 11 recites the limitation "3-nitroanilino" in the 2<sup>nd</sup> species on page 23. There is insufficient antecedent basis for this limitation in the claim.

qqqq. Claim 11 recites the limitation "2-methoxyanilino" in the 3<sup>rd</sup> species on page 23. There is insufficient antecedent basis for this limitation in the claim.

rrrr. Claim 11 recites the limitation "2-(trifluoromethyl)anilino" in the 4<sup>th</sup> species on page 23. There is insufficient antecedent basis for this limitation in the claim.

ssss. Claim 11 recites the limitation "2-nitroanilino" in the 5<sup>th</sup> species on page 23. There is insufficient antecedent basis for this limitation in the claim.

tttt. Claim 11 recites the limitation "4-chloroanilino" in the 6<sup>th</sup> species on page 23. There is insufficient antecedent basis for this limitation in the claim.

uuuu. Claim 11 recites the limitation "4-(trifluoromethyl)anilino" in the 7<sup>th</sup> species on page 23. There is insufficient antecedent basis for this limitation in the claim.

vvvv. Claim 11 recites the limitation "4-[(trifluoromethyl)sulfonyl]anilino" in the 8<sup>th</sup> species on page 23. There is insufficient antecedent basis for this limitation in the claim.

www. Claim 11 recites the limitation "4-(aminocarbonyl)anilino" in the 9<sup>th</sup> species on page 23. There is insufficient antecedent basis for this limitation in the claim.

xxxx. Claim 11 recites the limitation "3-[(2-hydroxyethyl)sulfonyl]anilino" in the 2<sup>nd</sup> and 4<sup>th</sup> species on page 24. There is insufficient antecedent basis for this limitation in the claim.

yyyy. Claim 11 recites the limitation "anilino" in the 3<sup>rd</sup> and 5<sup>th</sup> species on page 24. There is insufficient antecedent basis for this limitation in the claim.

zzzz. Claim 11 recites the limitation "{3-nitropyridin-2-yl}amino" in the 7<sup>th</sup> species on page 24. There is insufficient antecedent basis for this limitation in the claim.

aaaaa. Claim 11 recites the limitation "2-propylanilino" in the 10<sup>th</sup> species on page 24. There is insufficient antecedent basis for this limitation in the claim.

bbbbb. Claim 11 recites the limitation "4-propylanilino" in the 1<sup>st</sup> species on page 25. There is insufficient antecedent basis for this limitation in the claim.

cccc. Claim 11 recites the limitation "3-tert-butylanilino" in the 2<sup>nd</sup> species on page 25. There is insufficient antecedent basis for this limitation in the claim.

dddd. Claim 11 recites the limitation "3-(1,3-oxazol-5-yl)anilino" in the 3<sup>rd</sup> species on page 25. There is insufficient antecedent basis for this limitation in the claim.

eeee. Claim 11 recites the limitation "[3-chloro-5-(trifluoromethyl)pyridine-2-yl]amino" in the 5<sup>th</sup> species on page 25. There is insufficient antecedent basis for this limitation in the claim.

ffff. Claim 11 recites the limitation "[1,1'-biphenyl]-3-ylamino" in the 6<sup>th</sup> species on page 25. There is insufficient antecedent basis for this limitation in the claim.

ggggg. Claim 11 recites the limitation "3-benzylanilino" in the 7<sup>th</sup> species on page 25. There is insufficient antecedent basis for this limitation in the claim.

hhhhh. Claim 11 recites the limitation "pyrimidin-2-ylamino" in the 10<sup>th</sup> species on page 25. There is insufficient antecedent basis for this limitation in the claim.

iiii. Claim 11 recites the limitation "(3-aminopyridin-2-yl)amino" in the 1<sup>st</sup> species on page 26. There is insufficient antecedent basis for this limitation in the claim.

jjjjj. Claim 11 recites the limitation "{3-nitropyridin-2-yl}amino" in the 2<sup>nd</sup> species on page 26. There is insufficient antecedent basis for this limitation in the claim.

kkkkk. Claim 11 recites the limitation "2-propylanilino" in the 4<sup>th</sup> species on page 26. There is insufficient antecedent basis for this limitation in the claim.

lllll. Claim 11 recites the limitation "4-propylanilino" in the 5<sup>th</sup> species on page 26. There is insufficient antecedent basis for this limitation in the claim.

mmmmm. Claim 11 recites the limitation "3-tert-butylanilino" in the 6<sup>th</sup> species on page 26. There is insufficient antecedent basis for this limitation in the claim.

nnnnn. Claim 11 recites the limitation "3-(1,3-oxazol-5-yl)anilino" in the 7<sup>th</sup> species on page 26. There is insufficient antecedent basis for this limitation in the claim.

ooooo. Claim 11 recites the limitation "[3-chloro-5-(trifluoromethyl)pyridine-2-yl]amino" in the 9<sup>th</sup> species on page 26. There is insufficient antecedent basis for this limitation in the claim.

ppppp. Claim 11 recites the limitation "[1,1'-biphenyl]-3-ylamino" in the 10<sup>th</sup> species on page 26. There is insufficient antecedent basis for this limitation in the claim.

qqqqq. Claim 11 recites the limitation "3-benzylanilino" in the 11<sup>th</sup> species on page 26. There is insufficient antecedent basis for this limitation in the claim.

rrrrr. Claim 11 recites the limitation "2-aminoanilino" in the 2<sup>nd</sup> species on page 27. There is insufficient antecedent basis for this limitation in the claim.

sssss. Claim 11 recites the limitation "pyrimidin-2-ylamino" in the 3<sup>rd</sup> species on page 27. There is insufficient antecedent basis for this limitation in the claim.

tttt. Claim 11 recites the limitation "(3-aminopyridin-2-yl)amino" in the 4<sup>th</sup> species on page 27. There is insufficient antecedent basis for this limitation in the claim.

uuuuu. Claim 11 recites the limitation "2-nitro-4-[(trifluoromethyl)sulfonyl]anilino" in the 5<sup>th</sup> species on page 27. There is insufficient antecedent basis for this limitation in the claim.

vvvvv. Claim 11 recites the limitation "[4-(trifluoromethyl)pyrimidin-2-yl]amino" in the 6<sup>th</sup> species on page 27. There is insufficient antecedent basis for this limitation in the claim.

wwwww. Claim 11 recites the limitation "3-ethylanilino" in the 9<sup>th</sup> species on page 27. There is insufficient antecedent basis for this limitation in the claim.

xxxxx. Claim 11 recites the limitation "3-[(trifluoromethyl)sulfonyl]anilino" in the 4<sup>th</sup> species on page 28. There is insufficient antecedent basis for this limitation in the claim.

yyyyy. Claim 11 recites the limitation "3-methoxyanilino" in the 8<sup>th</sup> species on page 28. There is insufficient antecedent basis for this limitation in the claim.

zzzzz. Claim 11 recites the limitation "3-(trifluoromethyl)anilino" in the 9<sup>th</sup> species on page 28. There is insufficient antecedent basis for this limitation in the claim.

aaaaa. Claim 11 recites the limitation "3-(dimethylamino)anilino" in the 10<sup>th</sup> species on page 28. There is insufficient antecedent basis for this limitation in the claim.

bbbbbb. Claim 11 recites the limitation "3-propylanilino" in the 11<sup>th</sup> species on page 28. There is insufficient antecedent basis for this limitation in the claim.

cccccc. Claim 11 recites the limitation "3-(methylsulfonyl)anilino" in the 1<sup>st</sup> species on page 29. There is insufficient antecedent basis for this limitation in the claim.

dddddd. Claim 11 recites the limitation "3-(methylsulfonyl)anilino" in the 2<sup>nd</sup> species on page 29. There is insufficient antecedent basis for this limitation in the claim.

eeeeee. Claim 11 recites the limitation "methyl.....aminobenzoate" in the 4<sup>th</sup> species on page 29. There is insufficient antecedent basis for this limitation in the claim.

ffffff. Claim 11 recites the limitation "3-(aminocarbonyl)anilino" in the 5<sup>th</sup> species on page 29. There is insufficient antecedent basis for this limitation in the claim.

gggggg. Claim 11 recites the limitation "2-methoxyanilino" in the 6<sup>th</sup> species on page 29. There is insufficient antecedent basis for this limitation in the claim.

hhhhhh. Claim 11 recites the limitation "3-nitroanilino" in the 7<sup>th</sup> species on page 29. There is insufficient antecedent basis for this limitation in the claim.

iiiiii. Claim 11 recites the limitation "2-(trifluoromethyl)anilino" in the 8<sup>th</sup> species on page 29. There is insufficient antecedent basis for this limitation in the claim.

jjjjjj. Claim 11 recites the limitation "2-nitroanilino" in the 9<sup>th</sup> species on page 29. There is insufficient antecedent basis for this limitation in the claim.

kkkkkk. Claim 11 recites the limitation "4-(aminocarbonyl)anilino" in the 10<sup>th</sup> species on page 29. There is insufficient antecedent basis for this limitation in the claim.

lllll. Claim 11 recites the limitation "3-chloroanilino" in the 2<sup>nd</sup> species on page 30. There is insufficient antecedent basis for this limitation in the claim.

mmmmmm. Claim 11 recites the limitation "4-chloroanilino" in the 3<sup>rd</sup> species on page 30. There is insufficient antecedent basis for this limitation in the claim.

nnnnnn. Claim 11 recites the limitation "4-((trifluoromethyl)sulfonyl)anilino" in the 4<sup>th</sup> species on page 30. There is insufficient antecedent basis for this limitation in the claim.

oooooo. Claim 11 recites the limitation "[2-hydroxyethyl)sulfonyl]anilino" in the 6<sup>th</sup> species on page 30. There is insufficient antecedent basis for this limitation in the claim.

pppppp. Claim 11 recites the limitation "3-((trifluoromethyl)sulfonyl)anilino" in the 7<sup>th</sup> species on page 30. There is insufficient antecedent basis for this limitation in the claim.

qqqqqq. Claim 11 recites the limitation "anilino" in the 8<sup>th</sup> species on page 30. There is insufficient antecedent basis for this limitation in the claim.

rrrrr. Claim 11 recites the limitation "3-((trifluoromethyl)sulfanyl)anilino" in the 9<sup>th</sup> species on page 30. There is insufficient antecedent basis for this limitation in the claim.

ssssss. Claim 11 recites the limitation "4-hydroxyanilino" in the 10<sup>th</sup> species on page 30. There is insufficient antecedent basis for this limitation in the claim.

ttttt. Claim 11 recites the limitation "3-[(trifluoromethyl)sulfany]anilino" in the 1<sup>st</sup> and 2<sup>nd</sup> species on page 31. There is insufficient antecedent basis for this limitation in the claim.

uuuuu. Claim 11 recites the limitation "2-hydroxyanilino" in the 3<sup>rd</sup> species on page 31. There is insufficient antecedent basis for this limitation in the claim.

vvvvv. Claim 11 recites the limitation "pyrimidin-2-ylamino" in the 4<sup>th</sup> species on page 31. There is insufficient antecedent basis for this limitation in the claim.

wwwww. Claim 11 recites the limitation "{3-aminopyridin-2-yl}amino" in the 5<sup>th</sup> species on page 31. There is insufficient antecedent basis for this limitation in the claim.

xxxxx. Claim 11 recites the limitation "{3-nitropyridin-2-yl}amino" in the 6<sup>th</sup> species on page 31. There is insufficient antecedent basis for this limitation in the claim.

yyyyy. Claim 11 recites the limitation "2-propylanilino" in the 9<sup>th</sup> species on page 31. There is insufficient antecedent basis for this limitation in the claim.

zzzzz. Claim 11 recites the limitation "4-propylanilino" in the 10<sup>th</sup> species on page 31. There is insufficient antecedent basis for this limitation in the claim.

aaaaaa. Claim 11 recites the limitation "3-tert-butylanilino" in the 1<sup>st</sup> species on page 32. There is insufficient antecedent basis for this limitation in the claim.

bbbbbbb. Claim 11 recites the limitation "[3-chloro-5-(trifluoromethyl)pyridine-2-yl]amino" in the 2<sup>nd</sup> species on page 32. There is insufficient antecedent basis for this limitation in the claim.

ccccccc. Claim 11 recites the limitation "3-(1,3-oxazol-5-yl)anilino" in the 3<sup>rd</sup> species on page 32. There is insufficient antecedent basis for this limitation in the claim.

ddddddd. Claim 11 recites the limitation "[1,1'-biphenyl]-3-ylamino" in the 4<sup>th</sup> species on page 32. There is insufficient antecedent basis for this limitation in the claim.

eeeeeee. Claim 11 recites the limitation "3-benzylanilino" in the 8<sup>th</sup> species on page 32. There is insufficient antecedent basis for this limitation in the claim.

ffffff. Claim 11 recites the limitation "[4-(trifluoromethyl)pyrimidin-2-yl]amino" in the 9<sup>th</sup> species on page 32. There is insufficient antecedent basis for this limitation in the claim.

ggggggg. Claim 11 recites the limitation "3-ethylanilino" in the 2<sup>nd</sup> species on page 33. There is insufficient antecedent basis for this limitation in the claim.

hhhhhhh. Claim 11 recites the limitation "5-nitro-1H-pyrazole" in the 4<sup>th</sup> species on page 33. There is insufficient antecedent basis for this limitation in the claim.

iiiiiii. Claim 11 recites the limitation "2-thioxo-1,2-dihydropyridine" in the 6<sup>th</sup> species on page 33. There is insufficient antecedent basis for this limitation in the claim.

jjjjjj. Claim 11 recites the limitation "3-propylanilino" in the 1<sup>st</sup> species on page 34. There is insufficient antecedent basis for this limitation in the claim.

kkkkkk. Claim 11 recites the limitation "3-chloroanilino" in the 2<sup>nd</sup> species on page 34. There is insufficient antecedent basis for this limitation in the claim.

llllll. Claim 11 recites the limitation "3-methoxyanilino" in the 3<sup>rd</sup> species on page 34. There is insufficient antecedent basis for this limitation in the claim.

mmmmmm. Claim 11 recites the limitation "3-(trifluoromethyl)anilino" in the 4<sup>th</sup> species on page 34. There is insufficient antecedent basis for this limitation in the claim.

nnnnnn. Claim 11 recites the limitation "3-(dimethylamino)anilino" in the 5<sup>th</sup> species on page 34. There is insufficient antecedent basis for this limitation in the claim.

oooooo. Claim 11 recites the limitation "3-(methylsulfonyl)anilino" in the 6<sup>th</sup> species on page 34. There is insufficient antecedent basis for this limitation in the claim.

pppppp. Claim 11 recites the limitation "3-(methylsulfanyl)anilino" in the 7<sup>th</sup> species on page 34. There is insufficient antecedent basis for this limitation in the claim.

qqqqqq. Claim 11 recites the limitation "methyl aminobenzoate" in the 9<sup>th</sup> species on page 34. There is insufficient antecedent basis for this limitation in the claim.

rrrrrr. Claim 11 recites the limitation "aminobenzamide" in the 10<sup>th</sup> species on page 34. There is insufficient antecedent basis for this limitation in the claim.

ssssss. Claim 11 recites the limitation "3-nitroanilino" in the 1<sup>st</sup> species on page 35. There is insufficient antecedent basis for this limitation in the claim.

tttttt. Claim 11 recites the limitation "2-methoxyanilino" in the 2<sup>nd</sup> species on page 35. There is insufficient antecedent basis for this limitation in the claim.

uuuuuu. Claim 11 recites the limitation "2-(trifluoromethyl)anilino" in the 3<sup>rd</sup> species on page 35. There is insufficient antecedent basis for this limitation in the claim.

vvvvvv. Claim 11 recites the limitation "2-nitroanilino" in the 4<sup>th</sup> species on page 35. There is insufficient antecedent basis for this limitation in the claim.

wwwwww. Claim 11 recites the limitation "4-chloroanilino" in the 5<sup>th</sup> species on page 35. There is insufficient antecedent basis for this limitation in the claim.

xxxxxx. Claim 11 recites the limitation "4-(trifluoromethyl)anilino" in the 6<sup>th</sup> species on page 35. There is insufficient antecedent basis for this limitation in the claim.

yyyyyy. Claim 11 recites the limitation "4-[(trifluoromethyl)sulfonyl]anilino" in the 7<sup>th</sup> species on page 35. There is insufficient antecedent basis for this limitation in the claim.

zzzzzz. Claim 11 recites the limitation "4-(aminocarbonyl)anilino" in the 8<sup>th</sup> species on page 35. There is insufficient antecedent basis for this limitation in the claim.

aaaaaaa. Claim 11 recites the limitation "3-[(trifluoromethyl)sulfonyl]anilino" in the 1<sup>st</sup> species on page 36. There is insufficient antecedent basis for this limitation in the claim.

bbbbbbbb. Claim 11 recites the limitation "anilino" in the 2<sup>nd</sup> species on page 36. There is insufficient antecedent basis for this limitation in the claim.

ccccccc. Claim 11 recites the limitation "4-[(trifluoromethyl)sulfonyl]anilino" in the 3<sup>rd</sup> species on page 36. There is insufficient antecedent basis for this limitation in the claim.

ddddddd. Claim 12 recites the limitation "2,4-difluorobenzoyl" in the 1<sup>st</sup> species in claim 12. There is insufficient antecedent basis for this limitation in the claim.

eeeeeee. Claim 12 recites the limitation "anilino" in the 2<sup>nd</sup> species in claim 12. There is insufficient antecedent basis for this limitation in the claim.

ffffff. Claim 12 recites the limitation "3-propylanilino" in the 5<sup>th</sup> species in claim 12. There is insufficient antecedent basis for this limitation in the claim.

ggggggg. Claim 12 recites the limitation "4-chloroanilino" in the 6<sup>th</sup> species in claim 12. There is insufficient antecedent basis for this limitation in the claim.

hhhhhhh. Claim 12 recites the limitation "[2-hydroxyethyl)sulfonyl]anilino" in the 7<sup>th</sup> species in claim 12. There is insufficient antecedent basis for this limitation in the claim.

iiiiiii. Claim 12 recites the limitation "3-methoxyanilino" in the 9<sup>th</sup> species in claim 12. There is insufficient antecedent basis for this limitation in the claim.

jjjjjjj. Claim 12 recites the limitation "methyl.....aminobenzoate" in the 10<sup>th</sup> species in claim 12. There is insufficient antecedent basis for this limitation in the claim.

kkkkkkkk. Claim 12 recites the limitation "2-nitroanilino" in the 12<sup>th</sup> species in claim 12. There is insufficient antecedent basis for this limitation in the claim.

lllllll. Claim 21 recites the limitation " $L^1$ ,  $L^2$  and the repeater on the  $R^6$  is 0 to 4" thus the piperidine ring contains up to 6 substituents. There is insufficient antecedent basis for this limitation in the claim.

mmmmmmmm. Claim 21 is vague and indefinite in that it is not known what is meant by aryl-  $C_1$ - $C_6$  alkyl heteroaryl-  $C_1$ - $C_6$  alkyl in the definition of  $L^1$  and  $L^2$ .

nnnnnnnn. Claim 21 recites the limitation "substituted or unsubstituted cyclic  $C_4$ - $C_8$ -alkyl optionally containing 1-3 heteroatoms and optionally fused with aryl or heteroaryl" in the definition of  $L^1$  and  $L^2$ . There is insufficient antecedent basis for this limitation in the claim.

oooooooo. Claim 21 recites the limitation " $-NR^3R^{3'}$ ,  $-NR^3C(O)NR^3R^3$ ,  $-NHSO_2R^3$  and  $(SO_2)NR^3R^{3'}$ " in the definition of  $L^1$  and  $L^2$ . There is insufficient antecedent basis for this limitation in the claim.

pppppppp. Claim 21 recites the limitation " $-C(O)-OR^3$ ,  $-C(O)-R^3$ ,  $-C(O)-NR^3R^3$ ,  $-NR^3C(O)R^3$ ,  $-(SO)R^3$  and  $-(SO_2)R^{3'}$ " in the definition of  $L^1$  and  $L^2$ . There is insufficient antecedent basis for this limitation in the claim when  $R^3$  and/or  $R^{3'}$  is alkenyl.

qqqqqqqq. Claim 36 recites the limitation "a triazole ring which is fused with an aryl ring" in the definition of L<sup>1</sup>. There is insufficient antecedent basis for this limitation in the claim.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brenda L. Coleman whose telephone number is 571-272-0665. The examiner can normally be reached on 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O. Wilson can be reached on 571-272-0661. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Brenda L. Coleman/  
Primary Examiner, Art Unit 1624